

Claims

1. A projector including a projection lens with a zoom function for forming a projected image corresponding to an image signal on a screen, comprising:

a zoom state detection section that detects a zoom state of the projection lens; and

an uneven color correction section that performs uneven color correction on the image signal based on a detected zoom state.

2. A projector according to claim 1, wherein the uneven color correction section comprises a memory in which uneven color correction data according to the zoom state is stored.

3. A projector according to claim 2, wherein the uneven color correction section comprises a control circuit and an uneven color correction circuit, the memory stores and holds first and second uneven color correction data according at least to first and second zoom states, the control circuit calculates the uneven color correction data in a zoom state between the first and second zoom states based on the first and second uneven color correction data, and the uneven color correction circuit performs uneven

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color correction on the image signal using the calculated uneven color correction data.

4. A projector according to any one of claims 1 to 3, further comprising a light valve that modulates transmitted light or reflected light according to the image signal.

5. A method of correcting uneven color of a projector for forming a projected image corresponding to an image signal on a screen by a projection lens with a zoom function, comprising performing uneven color correction on the image signal in accordance with a zoom state of the projection lens.

6. A method of correcting uneven color of a projector according to claim 5, comprising:

a zoom state detection step of detecting the zoom state of the projection lens;

an uneven color correction data calculation step of calculating uneven color correction data according to a detected zoom state; and

an uneven color correction step of performing the uneven color correction on the image signal using the calculated uneven color correction data.

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7. A method of correcting uneven color of a projector according to claim 6, wherein at the uneven color data calculation step, uneven color correction data corresponding to the detected zoom state is selected from a plurality of sets of uneven color correction data corresponding to previously stored and held zoom states.

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- 2 IMAGE CONVERTER
- 3 GAMMA CORRECTION CIRCUIT
- 4 UNEVEN COLOR CORRECTION CIRCUIT
- 5 LIQUID CRYSTAL PANEL
- 6 LIQUID CRYSTAL PANEL DRIVE CIRCUIT
- 7 CONTROL CIRCUIT
- 8 MEMORY
- 100 IMAGE SIGNAL SUPPLY APPARATUS

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